

## **DYNAMIC POWER REDUNDANCY USING ONLINE CURRENT MEASUREMENT**

### **ABSTRACT OF THE DISCLOSURE**

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One embodiment disclosed relates to a method of providing dynamic power redundancy for a system. A number of power supply units,  $n$ , that are presently in an up state is tracked. In addition, a number of power supply units,  $N$ , that are presently needed to supply power to the system is dynamically determined. If a margin of safety corresponding to a difference between  $n$  and  $N$  reaches a minimum acceptable level, then action is taken to increase the margin of safety.

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